

Study programme: **B0724A330002 – Petroleum Engineering**
 Academic year: **2021/2022**

Number of credits: **180**

Field of study: **Petroleum Engineering**

Form of study: **Full-time**

Specialization: **EN**

Stage: **1**

Version: **2021**

Number of credits: **180**

Study plan: **PE 1st year of study**

Compulsory Courses (block status: A)

No. of courses: 28 credits: 141

Dept/Crs code	Course name	No. of Cred.	No. of hrs/w L+S+SS	Concl.	Recom. year sem.
KGE/XDG	Dynamic Geology	5	28S+28S+0	Ex	1 W
KGE/XCHEM	Chemistry	5	28S+28S+0	Ex	1 W
KGE/XMP	Mineralogy and Petrology	5	28S+28S+0	Ex	1 W
KGE/XPPE	Principles of Petroleum Engineering	5	42S+14S+0	Ex	1 W
KMA/XMAT	Mathematics	5	28S+28S+0	Ex	1 W
KGE/XGIS	GIS applications	5	28S+28S+0	Ex	1 S
KGE/XPPG	Principles of Petroleum Geology	5	28S+28S+0	Ex	1 S
KGE/XRE	Reservoir Engineering	5	42S+14S+0	Ex	1 S
KGE/XSES	Sedimentology and Stratigraphy	5	28S+28S+0	Ex	1 S
KGE/XTH	Thermodynamics	5	28S+28S+0	Ex	1 S
KGE/XAG	Aquatic Geochemistry	3	28S+0+0	Ex	2 W
KGE/XDE	Drilling Engineering	7	56S+28S+0	Con,Ex	2 W
KGE/XEG	Economic Geology	5*	28S+28S+0	Ex	2 W
KGE/XGPH	Geophysics	7	42S+42S+0	Con,Ex	2 W
KGE/XMR	Microscopy of Reservoir Rocks	4	14S+28S+0	Ex	2 W
KGE/XSP	Separation Processes	5	42S+14S+0	Ex	2 W
KGE/XCRCH	Carbonate Reservoir Characterization	5	42S+14S+0	Ex	2 S
KGE/XEOR	Enhanced Oil Recovery	5	42S+14S+0	Ex	2 S
KGE/XFE	Formation Evaluation	5	28S+28S+0	Ex	2 S
KGE/XGH	Groundwater Hydraulics	3	28S+0+0	Ex	2 S
KGE/XPEC	Petroleum Economics	5	42S+14S+0	Ex	2 S
KGE/XWCW	Well Completions and Workovers	5	56S+0+0	Con,Ex	2 S
KGE/XWLA	Well Log Analysis	5	28S+28S+0	Ex	2 S
KGE/XWT	Well Testing	5	56S+0+0	Con,Ex	2 S
KGE/XASG	Applied and Structural Geology	3	28S+0+0	Ex	3 W
KGE/XGME	Geology of Middle East	3	28S+0+0	Ex	3 W
KGE/XSTGE	Statistics in Geosciences	4*	14S+28S+0	Ex	3 W
KGE/XBAC	Bachelor Project	12	0+168S+0	Con	3 S

State Final Examination (block status: A)

No. of courses: 3 credits: 0

Dept/Crs code	Course name	No. of Cred.	No. of hrs/w L+S+SS	Concl.	Recom. year sem.
KGE/SZZXG	Petroleum Geoscience	0	0+0+0	Str	3 S
KGE/SZZXE	Petroleum Engineering	0	0+0+0	Str	3 S
KGE/OBHP	Bachelor Thesis	0	0+0+0	Atw	3 S

Compulsory-Elective Courses - Group 1 (block status: **B**)

Min.no.of 10 credits

Dept/Crs code	Course name	No. of	No.of hrs/w	Concl.	Recom. year sem.
		Cred.	L+S+SS		
KGE/XPPE	Production Engineering	5	28S+28S+0	Ex	2 W
KGE/XSM	Strength of Materials	4	42S+0+0	Ex	2 W
KGE/XGK	Quaternary Geology	3*	28S+0+0	Ex	3 W
KGE/XMECH	Rock and Soil Mechanics	3	28S+0+0	Ex	3 W
KGE/XHYGE	Hydrogeology	3*	28S+0+0	Ex	3 S

Compulsory-Elective Courses - Group 2 (block status: **B**)

Min.no.of 13 credits

Dept/Crs code	Course name	No. of	No.of hrs/w	Concl.	Recom. year sem.
		Cred.	L+S+SS		
KGE/XPT	Practical Training	12	0+20DS+0	Con	2 S
KGE/XKMG	Course of Shallow Geophysics	5*	0+5DS+0	Con	3 W
KGE/XMMZG	Modern Methods of Geoph. Data Processing	3*	0+28S+0	Con	3 W
KGE/XTCEG	Field Labs in Environmental Geology	5*	0+5DS+0	Con	3 W
KGE/XLEGO	Medical Geology	3*	28S+0+0	Ex	3 S
KGE/XTCGE	Field Trip in Geology	5*	0+5DS+0	Con	3 S